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UNITED STATES DEPARTMENT OF AGRICULTURE  
Bureau of Agricultural Economics

In cooperation with

NEW YORK STATE DEPARTMENT OF AGRICULTURE AND MARKETS

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APPLE MANUFACTURES

THE USE OF APPLES IN CIDER MILLS

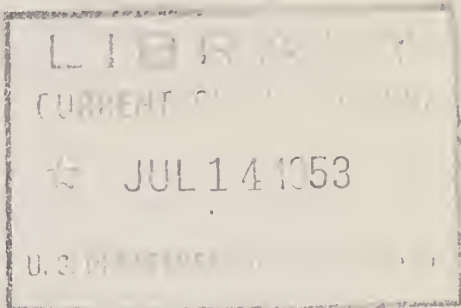
EVAPORATORS AND CANNERIES IN NEW YORK STATE

1941-52

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Albany, New York  
June 1953





## APPLE MANUFACTURES, 1941 - 1952

This report presents statistics on the apple manufacturing industry in New York State for each crop year from 1941 through 1952.

New York State processors received 5.8 million bushels of apples from the 1952 crop, about 20 percent less than in 1951. Five percent of these apples were purchased from other states and Canada.

A little over three fifths of the apples used for processing went into canned apples and applesauce, including baby food, slightly more than one fourth were pressed for cider and apple juice, and drying, freezing and other products accounted for the rest. Statistics for the industry engaged in daily preparation and shipment of fresh sliced apples to pie bakers are included here only when this operation is carried on in or near the apple production areas. It has reached a high state of development in New York City, using open-market or contract purchases of apples throughout the year.

In addition to the products mentioned above, pomace from cider mills and skins and cores from canning factories are used in considerable amounts for the extraction of pectin.

The downward trend in the number of plants making cider and other apple products, which has been evident for a number of years, continued in 1952. There were 219 plants in operation during the last season, compared with 247 in 1951.

The apple manufacture information in this publication has been gathered from processors, mainly by mailed questionnaire supplemented in a few cases by estimates for a few small concerns from which reports were not received.

Cordial appreciation is expressed for the generous cooperation of the people in the apple processing industries whose reports have made this summary possible.

Wm. I. BAIR  
Agricultural Statistician, and  
Director of Agricultural Statistics



Table 1. - Receipts and utilization of apples at manufacturing plants, New York, crops of 1941-52

Crop year :		Receipts from :		:	
Net receipts <sup>1/</sup> :		other states :		Used for cider :	Used for canning
:		(included in :		and apple juice :	or applesauce
:		preceding column) :		:	
				<u>bushels</u>	
1941	7,328,300	17,500		3,993,600	2,580,600
1942	7,907,500	62,000		3,712,500	2,751,700
1943	5,611,300	98,400		3,037,900	1,865,400
1944	7,607,800	479,400		4,278,800	2,010,200
1945	1,418,000	806,500		873,000	440,800
1946	8,723,800	495,100		4,364,400	3,595,500
1947	6,214,000	99,100		2,920,000	2,839,800
1948	4,552,000	173,600		1,788,300	2,271,000
1949	8,877,200	24,300		3,806,000	4,289,500
1950	9,676,800	67,000		3,122,500	5,472,700
1951	7,165,900	17,200		2,114,500	4,220,400
1952	5,799,700	295,100		1,550,300	3,669,000

Table 1.- Receipts and utilization of apples at manufacturing plants, New York  
crops of 1941-52 - continued

Crop	Used for	Used for	Used for other
year	drying	freezing 2/ bushels	products 2/ 3/
1941	536,700	-	217,400
1942	1,120,800	39,300	283,200
1943	502,400	113,800	91,800
1944	441,100	577,400	300,300
1945	-	76,800	27,400
1946	114,900	459,400	189,600
1947	108,800	191,500	153,900
1948	39,600	169,600	283,500
1949	221,700	347,500	212,500
1950	260,900	510,100	310,600
1951	277,400	266,300	287,300
1952	28,900	318,900	232,600

1/ Apples received at a plant and then transferred to another plant for processing are included only in plant where processed. One bushel is assumed to equal 48 pounds.

2/ Frozen apples were first asked separately in 1944. The 1943 and 1942 totals for this item as published may be incomplete. For 1941 and earlier years quantities used for frozen apples were not separated from "other products."

3/ Among other products for which these apples were used are jelly, apple butter, mincemeat, fresh sliced apples for pies in upstate areas and in 1941 and earlier years frozen apples. Included also are small amounts of loss and shrinkage and some apples sorted out for sale as fresh fruit.

Table 2. - Cider and dried apple products made, New York, from crops of 1941-52

Crop : year :	Cider and juice pressed: gallons	Dried apples pounds	Dried apple chops pounds	Dried skins and cores pounds	Dried pomace pounds
1941	17,863,400	3,056,700	284,500	595,300	823,900
1942	17,235,500	6,473,500	356,700	1,461,100	2,126,000
1943	14,188,100	2,736,200	233,400	649,800	758,000
1944	19,725,300	2,489,700	194,000	536,100	1,168,000
1945	3,565,900	-	-	-	67,000
1946	19,103,000	721,100	67,000	151,000	1,570,000
1947	13,230,400	648,600	-	-	720,500
1948	7,714,200	265,500	-	-	3,044,200
1949	19,695,500	1,341,300	58,800	-	5,630,000
1950	18,614,200	1,363,000	190,000	-	4,605,900
1951	12,739,600	1,565,500	28,600	-	4,630,400
1952	10,248,300	181,400	1/	-	2,507,400

1/ Dried apple chops are included with dried apples in 1952

Table 3. - Average price paid for apples, by type of manufacturing plant,  
New York, 1941-52 1/

Crop : year :	Average price paid for apples by			
	Cider mills	Evaporators	Canners & freezers	All plants
	dollars per 100 pounds			
1941	.34	.57	1.19	.72
1942	.44	1.46	1.59	1.05
1943	1.13	2.86	3.12	2.12
1944	1.04	2.96	3.21	2.06
1945	2.77	-	6.69	4.40
1946	1.21	1.88	3.91	2.57
1947	.67	.89	2.58	1.72
1948	1.09	1.22	2.87	2.16
1949	.51	.77	1.85	1.25
1950	.58	1.17	2.66	1.95
1951 2/	.58	.76	1.40	1.13
1952	1.24	1.50	3.34	2.77

1/ The 1951 and 1952 prices are weighted by the quantities of apples used by the individual plants within each district as well as by the importance of the several districts. For earlier years the averages of prices as reported were weighted by the importance of the several districts.

2/ Revised.

Table 4. - Receipts and utilization of apples by type of manufacturing plant, New York, crops of 1951 and 1952

Item	Cider Mills		Other processors		All plants	
	1951	1952	1951	1952	1951	1952
<hr/>						
Receipts:						
Net <u>1/</u>	1,391,000	1,018,600	5,774,900	4,781,100	7,165,900	5,799,700
From other states (included above)	16,400	48,000	800	247,100	17,200	295,100
Utilized for:						
Cider and juice	1,391,000	1,018,600	723,500	531,700	2,114,500	1,550,300
Canning and apple sauce	-	-	4,220,400	3,669,000	4,220,400	3,669,000
Drying	-	-	277,400	28,900	277,400	28,900
Freezing	-	-	266,300	318,900	266,300	318,900
Other products <u>2/</u>	-	-	287,300	232,600	287,300	232,600

1/ Apples received at a plant and then transferred to another plant for processing are included only in the plant where processed.

2/ In addition to other products this amount includes small quantities of shrinkage and some apples sorted out for sale as fresh fruit.



Table 5.- Apples received and cider and juice made, by districts and type of plant, New York, crops of 1951 and 1952

District and year	Apples received at		Cider and juice made at	
	Cider mills:	Other processors :	Total	Total
	bushels		gallons	
Ontario				
1951	388,800	5,249,200	5,638,000	1,535,700
1952	456,900	4,300,400	4,817,300	4,013,900
Mid-western				
1951	69,500	134,800	204,300	235,000
1952	55,900	145,300	201,200	193,500
Hudson				
1951	448,900	46,600	495,500	1,663,900
1952	276,100	80,200	356,300	1,018,100
Champlain				
1951	9,100	-	9,100	28,900
1952	5,500	-	5,500	17,200
Other				
1951	474,700	344,300	819,000	1,878,000
1952	224,200	195,200	419,400	875,900
State				
1951	1,391,000	5,774,900	7,165,900	5,341,500
1952	1,018,600	4,781,100	5,799,700	6,118,600
Districts used in this publication include counties as listed below:				
Ontario District - Niagara, Orleans, Monroe, Wayne.				
Mid-western District - Erie, Genesee, Wyoming, Livingston, Ontario, Yates, Seneca, Tompkins.				
Hudson District - Columbia, Dutchess, Putnam, Westchester, Greene, Ulster, Crange, Rockland.				
Champlain District - Clinton, Essex				
Other districts - All counties not included above.				

Table 6. - Apple manufacturing plants in operation and establishments making specified products, New York, crops of 1941-52

Crop year	Plants in operation	Cider and juice	Plants making	
			Dried apple products	Other apple products 2/
			number	
1941	461	418	26	25
1942	374	318	42	25
1943	283	243	33	25
1944	300	250	30	32
1945	63	56	2	10
1946	261	221	13	35
1947	293	244	15	39
1948	249	212	12	34
1949	285	244	19	31
1950	265	222	21	37
1951	247	202	21	33
1952	219	180	9	36

1/ A total of the establishments making cider and juice, dried apple products or other apple products exceeds the number of establishments in operation, as an establishment may make more than one of the listed products. "Custom" and "commercial" cider mills are included in number of establishments.

2/ Other apple products include canned apples or applesauce, frozen apples, apple butter, mincemeat, fresh sliced apples for pies in upstate areas, etc.

Table 7. - Apples received from other states and Canada at New York processing plants, crops of 1951 and 1952

	1951	1952
	bushels	
Regions of origin 1/		
New England, Pennsylvania and New Jersey	17,200	42,000
Other Eastern States	-	178,000
Canada	-	56,200
Unknown	-	18,900
Total	17,200	295,100
District in New York in which received 2/		
Ontario	-	225,100
Mid-western	800	20,600
Hudson, Champlain, and other	16,400	49,400
Total	17,200	295,100

1/ States grouped to prevent disclosure of individual operations.

2/ For counties included in each district see table 5, footnote 1.

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